

WHAT IS CLAIMED IS

1. A system for displaying radar data from two or more areas of interest comprising:

5 a first display system receiving first vehicle speed data for a first vehicle and generating user-readable display data;

a second display system receiving second vehicle speed data for a second vehicle and generating user-readable display data; and

10 wherein the first vehicle and the second vehicle are travelling in different directions.

2. The system of claim 1 wherein the first display system is an opposite lane display system.

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3. The system of claim 1 wherein the first display system is a same lane display system.

4. The system of claim 1 wherein the first display system is a front system.

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5. The system of claim 1 wherein the first display system is a back system.

25 6. The system of claim 1 wherein the first display system further comprises a history system receiving first vehicle historical speed data and generating user-readable display data.

7. The system of claim 1 further comprising one or more additional display systems, each additional display system receiving vehicle speed data for an additional vehicle and generating user-readable display data for that
5 additional vehicle.

8. A method for displaying radar data for two or more vehicles comprising:

receiving speed data for a first vehicle travelling in a first direction;

5 receiving speed data for a second vehicle travelling in a second direction; and

generating a user readable display containing the speed data for the first vehicle and the second vehicle.

10 9. The method of claim 8 wherein the first direction is a same lane of travel as the radar observation point and in front of the radar observation point.

15 10. The method of claim 8 wherein the first direction is a same lane of travel as the radar observation point and behind the radar observation point.

20 11. The method of claim 8 wherein the first direction is an opposite lane of travel as the radar observation point and in front of the radar observation point.

25 12. The method of claim 8 wherein the first direction is an opposite lane of travel as the radar observation point behind the radar observation point.

13. A controller for use in selecting the display of radar data for two or more vehicles comprising:

a first user-selectable direction select control allowing a user to select radar data for vehicles travelling in a first direction relative to an observation point;

a second user-selectable direction select control allowing the user to select radar data for vehicles travelling in a second direction relative to an observation point; and

wherein a user-readable display generates speed data for vehicles travelling in the first direction and the second direction in response to the first and second user-selectable direction select control.

14. The controller of claim 13 wherein the controller further comprises an infrared remote controller.

15. The controller of claim 13 wherein the controller further comprises a touch-sensitive display.

16. The controller of claim 13 wherein the first user-selectable direction select control and the second user-selectable direction select control both comprise a single user-configurable preset control.

17. The controller of claim 13 further comprising one or more additional user-selectable direction select controls, each allowing the user to select radar data for vehicles travelling in a direction relative to an observation point that is different from the direction associated with any of the other user-selectable direction select controls.

18. The controller of claim 13 further comprising a
strongest select control allowing the user to select to view
speed data for a vehicle travelling in a selected direction
5 having a strongest radar signal.

19. The controller of claim 13 further comprising a
fastest select control allowing the user to select to view
speed data for a vehicle travelling in a selected direction
10 having a fastest speed.

20. The controller of claim 13 further comprising a
history select control allowing the user to select to view
history data for a vehicle.
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